



Pyroclastic Flow

by Arya Akhavan (November 2012)

Angles for R.I. = 1.730

22 + 6 girdles = 28 facets

3-fold radial symmetry

96 index

L/W = 1.155 T/W = 0.127 U/W = 0.122

P/W = 0.442 C/W = 0.172

Vol./W³ = 0.193

PREFORM

- X1 42.00° 96-32-64 Cut to centerpoint.
- X2 29.49° 16-48-80 Meet at culet.
- G1 90.00° 96-32-64 Set stone size.
- G2 90.00° 16-48-80 Level girdle.

PAVILION

- P1 46.68° 01-33-65 Overwrite culet.
- P2 50.66° 96-32-64 Meet G1, G2, P1
- 90.00° 96-32-64
- 90.00° 16-48-80
- P3 41.00° 16-48-80 Level girdle.

CROWN

- C1 40.52° 96-32-64 Set girdle width.
- C2 23.95° 16-48-80 Level girdle.
- C3 23.26° 03-35-67 Meet G1, G2, C1, C2
- C4 16.66° 21-53-85 Meet G1, G2, C1, C2
- T 0.00° Table Meet C3, C4

While I personally prefer classic trilliant-type outlines, every so often a piece of rough looks like a great triangle with the corners clipped off. That's where this interesting, modern design comes in! I prefer it in red pyrope-almandine garnet, but it works in materials from feldspar to rutile (RI = 1.52 - 2.62) with no changes.

Suggested size = 5-8 mm

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